



CASE LD0268 NP

CERTIFICATE OF MAILING

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Anastasia P. Winslow
Type or print name


Signature

March 25, 2005
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Art Unit: 1617

FRANCIS Y.F. LEE

APPLICATION NO: 10/091,061

FILED: MARCH 5, 2002

FOR: COMBINATION OF EPOTHILONE ANALOGS AND
CHEMOTHERAPEUTIC AGENTS FOR THE TREATMENT OF
PROLIFERATIVE DISEASES

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is being filed in accordance with 37 C.F.R. §1.97(c).
A letter for payment of fee set forth in 37 C.F.R. §1.17(p) is enclosed.

In accordance with 37 C.F.R. §1.56, applicant wishes to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

Copies of these references are enclosed herewith.

03/30/2005 SLUANG1 00000007 193880 10091061

02 FC:1806 180.00 DA

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,



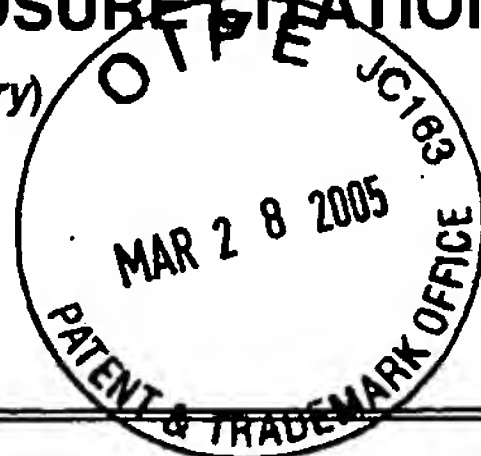
Anastasia Winslow
Attorney for Applicant
Reg. No. 40,875

Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
609 (252-6996)

Date: *March 25, 2005*

FORM PTO-1449
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE CITATION**

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Francis Y.F. Lee
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March 5, 2002

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1617
U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		U.S. APPLICATION DOCUMENT	DATE OF PUBLICATION	NAME	CLASS	SUBCLASS	FILING DATE
	AA	2002/0177548	11/28/02	Schwendner et al.			
	AB	2002/0198216	12/26/02	Njoroge et al.			
	AC	2003/0191162	10/09/03	Langecker et al.			
	AD	2004/0023925	02/05/04	Chang et al.			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AE	5,728,687	03/17/98	Bissery			
	AF	6,441,026	08/27/02	Bissery			
	AG	6,441,186	08/27/02	Nicolaou et al.			
	AH	6,462,017	10/08/02	Rudolph et al.			
	AI	6,586,428	07/01/03	Geroni et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	DE 4 138 042	05/27/93	DE + English translation			<input type="checkbox"/>	<input type="checkbox"/>
	AK	195 42 986.9	05/29/97	DE + English translation			<input type="checkbox"/>	<input type="checkbox"/>
	AL	196 36 343.8	03/05/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AM	Altmann, K.-H. et al., "Epothilones and related structures – a new class of microtubule inhibitors with potent in vivo antitumor activity", Biochimica et Biophysica Acta, Vol. 1470, pp. M79-M91 (2000)
	AN	Baker, S.D., "Drug Interactions with the Taxanes", Pharmacotherapy, Vol. 17, No. 5, Pt. 2, pp. 126S-132S (1997)
	AO	Balog, A. et al., "Total Synthesis of (—)-Epothilone A", Angew. Chem. Int. Ed. Engl., Vol. 35, No. 23/24, pp. 2801-2803 (1996)

EXAMINER**DATE CONSIDERED**

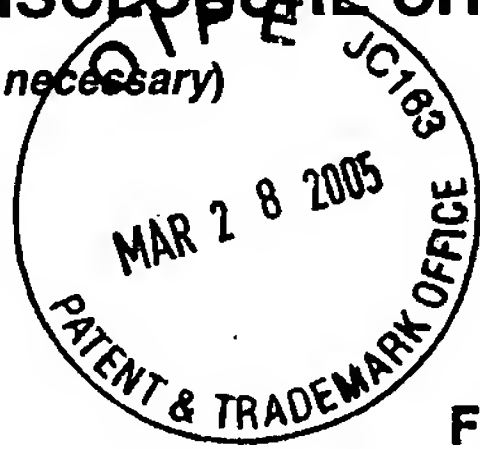
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	2AA	196 39 456.2	05/29/97	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AB	196 45 361.5	04/30/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
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	2AD	196 47 580.5	05/28/98	DE + English translation			<input type="checkbox"/>	<input type="checkbox"/>
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	2AG	DE 197 13 970	10/08/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AH	DE 197 20 312	11/19/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AI	DE 197 26 627	12/24/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AJ	DE 198 21 954	11/19/98	DE + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AK	EP 0 879 605	11/25/98	EP (German + English abstract)			<input type="checkbox"/>	<input type="checkbox"/>
	2AL	WO 93/10121	05/27/93	PCT + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
	2AM	WO 97/19086	05/29/97	PCT + English translation			<input type="checkbox"/>	<input type="checkbox"/>
	2AN	WO 98/08849	03/05/98	PCT + English abstract			<input type="checkbox"/>	<input type="checkbox"/>
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	2AY	WO 99/42602	08/26/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>

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							YES	NO
	3AA	WO 99/43320	09/02/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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	3AK	WO 00/66589	11/09/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

4AA	Bertinato, P. et al., "Studies toward a Synthesis of Epothilone A: Stereocontrolled Assembly of the Acyl Region and Models for Macrocyclization", J. Org. Chem. Vol. 61, No. 23, pp. 8000-8001 (1996)
4AB	Bertini, F. et al., "Alkenes from Epoxides by Reductive Elimination with Magnesium Bromide-Magnesium Amalgam", Chemical Communications, p. 144 (1970)
4AC	Bissery, M.C. et al., "Preclinical In Vivo Activity of Docetaxel-Containing Combinations", Proceedings of ASCO, Vol. 14, No. 1599, p. 489 (1995)
4AD	Bissery, M.-C. et al., "Preclinical Profile of Docetaxel (Taxotere): Efficacy as a Single Agent and in Combination", Seminars in Oncology, Vol. 22, No. 6, Suppl. 13, pp. 3-16 (1995)
4AE	Bollag, D.M., "Epothilones: novel microtubule-stabilising agents", Exp. Opin. Invest. Drugs., Vol. 6, No. 7, pp. 867-873 (1997)
4AF	Bollag, D.M. et al., "Epothilone, a new structural class of microtubule stabilizer", Proceedings of the American Association for Cancer Research, Abstract, Vol. 36, No. 2711, p. 454 (1995)
4AG	Bollag, D.M. et al., "Epothilones, a New Class of Microtubule-stabilizing Agents with a Taxol-like Mechanism of Action", Cancer Research, Vol. 55, pp. 2325-2333 (1995)
4AH	Borman, S., "Epothilone Epiphany: Total Syntheses", Chemical & Engineering News, Vol. 74, No. 52, pp. 24-26 (1996)
4AI	Chemical & Engineering News, "First total synthesis of epothilone B", Vol. 75, No. 13, p. 23 (1997)
4AJ	Chemical & Engineering News, "Solid-phase epothilone synthesis used to create analog library", Vol. 75, No. 20, p. 33 (1997)
4AK	Claus, E. et al., "Synthesis of the C1-C9 Segment of Epothilons", Tetrahedron Letters, Vol. 38, No. 8, pp. 1359-1362 (1997)
4AL	De Brabander, J. et al., "Towards a Synthesis of Epothilone A: Rapid Assembly of the C1-C6 and C7-C12 Fragments", Synlett, Vol. 7, pp. 824-826 (1997)
4AM	Fujisawa, T. et al., "Deoxygenation of Epoxides to Olefins with FeCl ₃ - n-BuLi System", Chemistry Letters, pp. 883-886 (1974)
4AN	Fujiwara, Y. et al., "Reductive Coupling of Carbonyl Compounds to Olefins by Tungsten Hexachloride-Lithium Aluminum Hydride and Some Tungsten and Molybdenum Carbonyls", J. Org. Chem., Vol. 43, No. 12, pp. 2477-2479 (1978)

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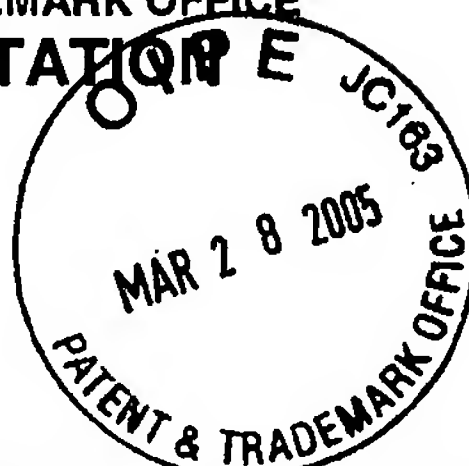
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5AA	Gabriel, T. et al., "The Chromium-Reformatsky Reaction: Asymmetric Synthesis of the Aldol Fragment of the Cytotoxic Epothilons from 3-(2-Bromoacyl)-2-oxazolidinones", Tetrahedron Letters, Vol. 38, No. 8, pp. 1363-1366 (1997)
5AB	Gerth, K. et al., "Epothilons A and B: Antifungal and Cytotoxic Compounds from <i>Sorangium cellulosum</i> (Myxobacteria): Production, Physico-chemical and Biological Properties", The Journal of Antibiotics, Vol. 49, No. 6, pp. 560-563 (1996)
5AC	Gladysz, J.A. et al., "Deoxygenation of Epoxides by Metal Atom Cocondensation", J. Org. Chem., Vol. 41, No. 22, pp. 3647-3648 (1976)
5AD	Höfle, G. et al., "Epothilone A and B – Novel 16-Membered Macrolides with Cytotoxic Activity: Isolation, Crystal Structure, and Conformation in Solution", Angew. Chem. Int. Ed. Engl., Vol. 35, No. 13/14 pp. 1567-1569 (1996)
5AE	Höfle, G. et al., "N-Oxidation of Epothilone A – C and O-Acyl Rearrangement to C-19- and C-21-Substituted Epothilones", Angew. Chem. Int. Ed., Vol. 38, No. 13/14, pp. 1971-1974 (1999)
5AF	Holmes, F.A., "Paclitaxel Combination Therapy in the Treatment of Metastatic Breast Cancer", Seminars in Oncology, Vol. 23, No. 5, Suppl. 12, pp. 29-39 (1996)
5AG	Hortobagyi, G.N. et al., "Paclitaxel-Containing Combination Chemotherapy for Metastatic Breast Cancer", Seminars in Oncology, Vol. 23, No. 1, Suppl. 1, pp. 53-57 (1996)
5AH	Inokuchi, T. et al., "Opening of Epoxides to Olefins or Halohydrins with Vanadium(II)-Tetrahydrofuran or Vanadium(III)-Tetrahydrofuran Complexes", Synlett, Vol. 6, pp. 510-512 (1992)
5AI	Johnson, K. et al., "5-Fluorouracil interferes with taxol cytotoxicity on human solid tumor cells", Proceedings of the American Association for Cancer Research, Vol. 38, No. 2162, p. 323 (1997)
5AJ	Johnson, K.R. et al., "5-Fluorouracil Interferes with Paclitaxel Cytotoxicity against Human Solid Tumor Cells", Clinical Cancer Research, Vol. 3, pp. 1739-1745 (1997)
5AK	Kano, Y. et al., "Schedule-dependent interaction between paclitaxel and 5-fluorouracil in human carcinoma cell lines <i>in vitro</i> ", British Journal of Cancer, Vol. 74, pp. 704-710 (1996)
5AL	Kowalski, R.J. et al., "Activities of the Microtubule-stabilizing Agents Epothilones A and B with Purified Tubulin and in Cells Resistant to Paclitaxel (Taxol®)", The Journal of Biological Chemistry, Vol. 272, No. 4, pp. 2534-2541 (1997)
5AM	Kupchan, S.M. et al., "Reductive Elimination of Epoxides to Olefins with Zinc-Copper Couple", J. Org. Chem., Vol. 36, No. 9, pp. 1187-1190 (1971)
5AN	Marshall, A., "Total synthesis of epothilone", Nature Biotechnology, Vol. 15, p. 205 (1997)

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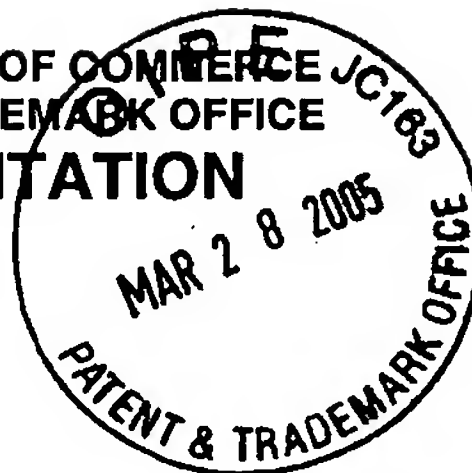
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6AA	Martin, M.G. et al., "Epoxides as Alkene Protecting Groups. A Mild and Efficient Deoxygenation", Tetrahedron Letters, Vol. 25, No. 3, pp. 251-254 (1984)
6AB	McMurry, J.E. et al., "Reduction of Epoxides to Olefins with Low Valent Titanium", J. Org. Chem., Vol. 40, No. 17, pp. 2555-2556 (1975)
6AC	McMurry, J.E. et al., "Some Deoxygenation Reactions with Low-Valent Titanium (TiCl ₃ /LiAlH ₄)", The Journal of Organic Chemistry, Vol. 43, No. 17, pp. 3249-3254 (1978)
6AD	Meng, D. et al., "Remote Effects in Macrolide Formation through Ring-Forming Olefin Metathesis: An Application to the Synthesis of Fully Active Epothilone Congeners", J. Am. Chem. Soc., Vol. 119, No. 11, pp. 2733-2734 (1997)
6AE	Meng, D. et al., "Studies toward a Synthesis of Epothilone A: Use of Hydropyran Templates for the Management of Acyclic Stereochemical Relationships", J. Org. Chem., Vol. 61, No. 23, pp. 7998-7999 (1996)
6AF	Meng, D. et al., "Total Syntheses of Epothilones A and B", J. Am. Chem. Soc., Vol. 119, No. 42, pp. 10073-10092 (1997)
6AG	Mensching, S. et al., "Generation of Thiazoles by Column Dehydrogenation of Thiazolidines with MnO ₂ ", J. Prakt. Chem., Vol. 339, pp. 96-97 (1997)
6AH	Mulzer, J. et al., "Synthesis of the C(1)-C(9) Segment of the Cytotoxic Macrolides Epothilone A and B", Tetrahedron Letters, Vol. 37, No. 51, pp. 9179-9182 (1996)
6AI	Nicolaou, K.C. et al., "An Approach to Epothilones Based on Olefin Metathesis", Angew. Chem. Int. Ed. Engl., Vol. 35, No. 20, pp. 2399-2401 (1996)
6AJ	Nicolaou, K.C. et al., "Chemical Biology of Epothilones", Angew. Chem. Int. Ed., Vol. 37, pp. 2014-2045 (1998)
6AK	Nicolaou, K.C. et al., "Chemistry, biology and medicine of selected tubulin polymerizing agents", Pure Appl. Chem., Vol. 71, No. 6, pp. 989-997 (1999)
6AL	Nicolaou, K.C. et al., "Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, and Cytotoxic Action against Taxol-Resistant Tumor Cells", Angew. Chem. Int. Ed. Engl., Vol. 36, No. 19, pp. 2097-2103 (1997)
6AM	Nicolaou, K.C. et al., "Synthesis and biological properties of C12,13-cyclopropyl-epothilone A and related epothilones", Chemistry & Biology, Vol. 5, No. 7, pp. 365-372 (1998)
6AN	Nicolaou, K.C. et al., "Synthesis of epothilones A and B in solid and solution phase", Nature, Vol. 387, pp. 268-272 (1997)

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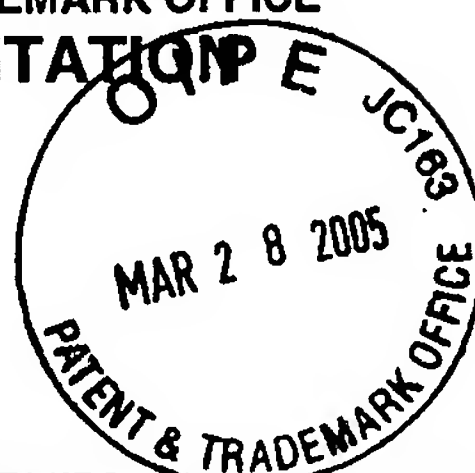
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7AA	Nicolaou, K.C. et al., "Synthesis of epothilones A and B in solid and solution phase" (correction to Nature, Vol. 387, pp. 268-272 (1997)), Nature, Vol. 390, p. 100 (1997)
7AB	Nicolaou, K.C. et al., "The Olefin Metathesis Approach to Epothilone A and Its Analogues", J. Am. Chem. Soc., Vol. 119, No. 34, pp. 7960-7973 (1997)
7AC	Nicolaou, K.C. et al., "Total Syntheses of Epothilones A and B via a Macrolactonization-Based Strategy", J. Am. Chem. Soc., Vol. 119, No. 34, pp. 7974-7991 (1997)
7AD	Nicolaou, K.C. et al., "Total Synthesis of Epothilone A: The Macrolactonization Approach", Angew. Chem. Int. Ed. Engl., Vol. 36, No. 5, pp. 525-527 (1997)
7AE	Nicolaou, K.C. et al., "Total Synthesis of Epothilone E and Analogues with Modified Side Chains through the Stille Coupling Reaction", Angew. Chem. Int. Ed., Vol. 37, No. 1/2, pp. 84-87 (1998)
7AF	Nicolaou, K.C. et al., "Total Synthesis of Epothilone E and Related Side-chain Modified Analogues via a Stille Coupling Based Strategy", Bioorganic & Medicinal Chemistry, Vol. 7, pp. 665-697 (1999)
7AG	Nicolaou, K.C. et al., "Total Synthesis of Oxazole- and Cyclopropane-Containing Epothilone B Analogues by the Macrolactonization Approach", Chem. Eur. J., Vol. 3, No. 12, pp. 1971-1986 (1997)
7AH	Raucher, S. et al., "Total Synthesis of (+)-Dihydrocostunolide via Tandem Cope-Claisen Rearrangement", J. Org. Chem., Vol. 51, No. 26, pp. 5503-5505 (1986)
7AI	Saeki, T. et al., "Mechanism and possible biochemical modulation of capecitabine (Xeloda), a newly generated oral fluoropyrimidine", Gan To Kagaku Ryoho, Vol. 26, No. 4, pp. 447-455 (1999) (English abstract)
7AJ	Sato, M. et al., "Reduction of Organic Compounds with Low-Valent Niobium (NbCl ₅ /NaAlH ₄)", Chemistry Letters, pp. 157-160 (1982)
7AK	Schinzer, D. et al., "Studies Towards the Total Synthesis of Epothilones: Asymmetric Synthesis of the Key Fragments", Chem. Eur. J., Vol. 2, No. 11, pp. 1477-1482 (1996)
7AL	Schinzer, D. et al., "Syntheses of (—)-Epothilone B", Chem. Eur. J., Vol. 5, No. 9, pp. 2492-2500 (1999)
7AM	Schinzer, D. et al., "Total Synthesis of (—)-Epothilone A", Angew. Chem. Int. Ed. Engl., Vol. 36, No. 5, pp. 523-524 (1997)
7AN	Schinzer, D. et al., "Total Synthesis of (—)-Epothilone A", Chem. Eur. J., Vol. 5, No. 9, pp. 2483-2491 (1999)

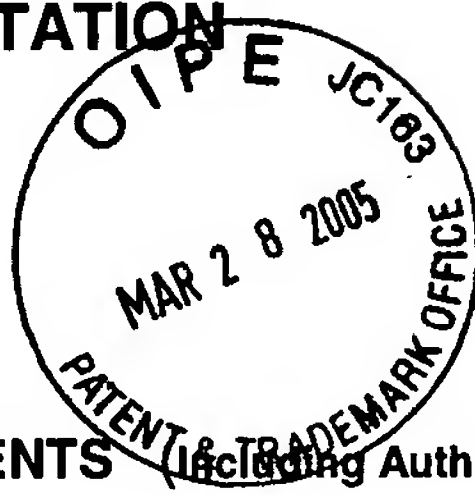
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Francis Y.F. Lee

FILING DATE

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8AA	Schobert, R. et al., "Reduction and Isomerization of Oxiranes and α -Diazoketones by Various Early Transition Metallocenes", Synlett, Vol. 8, pp. 465-466 (1990)
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8AK	U.S. Application Serial No. 60/032,864, December 13, 1996, Nicolaou, K. et al.
8AL	
8AM	
8AN	

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U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		U.S. APPLICATION DOCUMENT	DATE OF PUBLICATION	NAME	CLASS	SUBCLASS	FILING DATE
	AA	2002/0143038A1	10/03/02	Bandyopadhyay			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AB	6,605,599	08/12/03	Vite et al.			
	AC	6,365,749	04/02/02	Kim et al.			
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